Root ZX® II – Endodontic Predictability
Apex Locator with Low Speed Handpiece

J.MORITA MFG.CORP.

Thinking ahead. Focused on life.

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Root ZX II with Optional Low Speed Handpiece

Proven accuracy in apex location and precise control for canal preparation.

Root ZX II Key Features

Endodontic Predictability
As the world's best selling apex locator, Root ZX II is renowned for its accuracy and dependability.

Low Speed Handpiece Option
By attaching a module to the Root ZX II apex locator, the dentist can prepare canals using the Low Speed Handpiece.

Root ZX II Features at a Glance

Root ZX II – Apex Locator

Continuous, Accurate Measurement
Root ZX II accurately and precisely locates the position of the file inside the root canal.

No Zero-Adjustment
It is not necessary to set the device on zero before measuring each individual canal.

Automatic Calibration
Automatic calibration ensures accuracy and eliminates the effect of changes in temperature, moisture, etc. inside the canal even during treatment.

Low Speed Handpiece Module – Canal Preparation Instrument

Prepare Canals While Simultaneously Taking Measurements
Accurate and precise preparation of the root canal.

Motor Flexibility: 8 Speed Settings
150, 200, 250, 300, 400, 500, 600, 800 rpm

5 Automatic Safety Functions
Auto Motor Start/Stop
Auto Torque Reverse
Auto Torque Slow Down
Auto Apical Reverse
Auto Apical Slow Down

Fully Programmable Settings
Root ZX II is equipped with 3 programmable memory modes.

Compact and Lightweight Handpiece Design
The Low Speed Handpiece features complete ergonomic design with ideal angles for maximum balance and access to the oral cavity.

Root ZX II – Apex Locator
World's Best Selling Unit

Root ZX II measures root canals accurately and precisely.

Built on the industry standard Root ZX technology, Root ZX II will measure in both wet or dry canal conditions with class-leading accuracy of 96.2%.*

Accurate Measurement

The ratio technique used in the instrument provides a highly accurate detection of the file's location. The accuracy of the measurement is not affected by the presence or absence of blood, other discharges, electrolytes, saline, tap water, or hydrogen peroxide.

No Zero-Adjustment

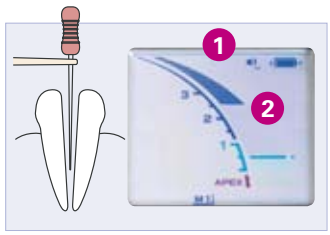
It is not necessary to set the device on zero before measuring each individual canal.

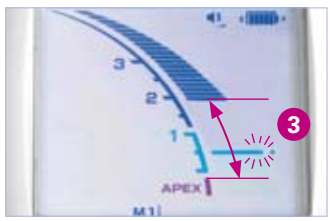
Automatic Calibration

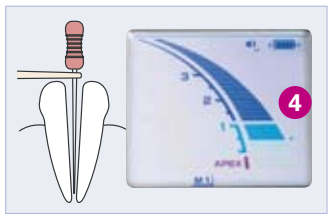
Automatic calibration ensures accuracy and eliminates the effect of changes in temperature, moisture, etc. inside the canal, even during treatment.

Large Color Liquid Crystal Display (LCD)

The large color LCD screen is easy to read, and provides a clear progressive display with high contrast.







1. Large Color LCD
2. File Position / Canal Length Indicator Bar
3. Adjustable Pre-position Bar / Apical Line
4. Green indicators illuminate when the file is approaching the apical constriction

* Independent study, data on file

Low Speed Handpiece Module Canal Preparation Instrument

The Root ZX II with Low Speed Handpiece prepares root canals while displaying precise and accurate measurements of the root canal.

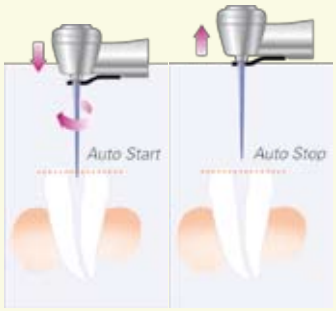
By offering multiple automatic safety controls, the Root ZX II Low Speed Handpiece is the clear choice for today's Dentist or Endodontist. It allows you to prepare canals with accuracy and precision, providing the predictability that is expected in today's dental practice. Root ZX II Low Speed Handpiece - Safety First!

Foot Switch for Easy Operation

When a canal measurement is not possible (or required) the Low Speed Handpiece has an optional foot switch. This enables the operator to use Root ZX II as a standard micromotor. The foot switch is especially useful for preparing the coronal third of the root canal.

5 Automatic Safety Functions:

- Auto Motor Start/Stop
- Auto Torque Reverse
- Auto Torque Slow Down
- Auto Apical Reverse
- Auto Apical Slow Down



No foot switch required
Auto Motor Start and Stop

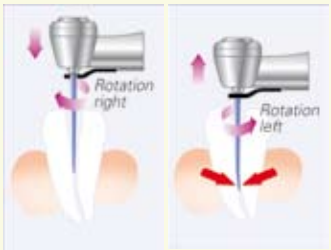
Motor starts when file is inserted and stops when it is withdrawn.

Quick and Easy Handpiece Connection

Simply attach the handpiece option by using the quick connect joint for rotary endodontic preparations.

The Low Speed Handpiece is ergonomically designed to minimize fatigue and fingertip stress. It is lightweight and ideal for endodontic access.

- Weight: only 2.47 oz. (70 g) (approx.)
- Compact head size: only .49" (12.5 mm)
- Speed: 150 to 800 rpm with 8 speed options

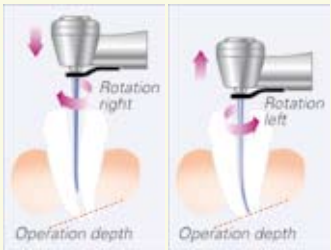


Reduced file breakage
Auto Torque Reverse

File stops and reverses if the torque goes over the set torque limit. With 11 torque limit options, the Root ZX II Low Speed Handpiece is ideal for all today's rotary NiTi file systems.

Reduced file breakage
Auto Torque Slow Down

File slows down as the torque approaches the set torque limit.



Accurate preparation
Auto Apical Reverse

File stops and reverses when it reaches the end of the set working length. You can also set stops manually or adjust the interval between stopping and reversing.

Precise control
Auto Apical Slow Down

File slows down as it approaches the end of the set working length, ensuring safe and accurate preparations.

Specifications

1 **Root ZX II**
Rating: DC 4.5 V
Power Consumption: 0.135 VA
Size: W x D x H
4.13" x 4.13" x 4.53"
(105 x 105 x 115 mm)
Weight: approx. 13.05 oz. (370 g)

2 **Low Speed Handpiece Module**
Power consumptions: 1.92 VA
Charger: Rapid Charge Type
Size: W x D x H
4.13" x 5.00" x 4.53"
(105 x 127 x 115 mm)
Weight: approx. 10.58 oz. (300 g)

3 **Root ZX II Main Tubing**
For Low Speed Handpiece

4 **Root ZX II Micromotor and Contra Angle Handpiece**
Diameter: max. .71" (18 mm)
Length: 6.50" (165 mm)
Weight: approx. 2.47 oz. (70 g)
(including contra angle hand-piece/head)

Trade name: Root ZX II
Model: DP-ZX-VL

Manufacturer: J. Morita Mfg. Corp.

Root ZX II - Apex Locator

Apex Locator Accessories
1 x probe cord
3 x file holders
5 x contrary electrodes
1 x canal-length tester
3 x DC 1.5 V AA battery

Accessories

Root ZX II and Low Speed Handpiece Module
Apex Locator and Canal Preparation System

Apex Locator Accessories
1 x probe cord
3 x file holders
5 x contrary electrodes
1 x canal-length tester
3 x DC 1.5 V AA battery

Low Speed Handpiece Accessories
1 x handpiece rest
Foot switch
1 x AR oil
1 x AC adapter (100 V–240 V 50/60 Hz)
20 x plastic sleeves

Foot Switch

Not all accessories pictured.
Design and specifications are subject to change without notification.

Tri Auto ZX – Endodontic Handpiece

Rotary, Endodontic Handpiece with Built-in Apex Locator.

Morita's Tri Auto ZX was the first rotary, endodontic handpiece ever produced. With a built-in apex locator, it allows the clinician to electronically monitor the root canal before, during, and after instrumentation. During shaping and cleaning, the position of the file tip is displayed on the LED control panel located on the handpiece for easy viewing. Combined with the technology of the Root ZX apex locator, it significantly increases accuracy and safety and helps prevent destruction of the natural configuration of the root.

- **3 Automatic safety functions**
- **Built-in apex locator (Root ZX technology)**
- **Portable and cordless**
- **Speed: 280 ± 50 rpm (with no load at 3.6 VDC)**
- **Push button chuck release**
- **Choice of automatic or manual mode**

Manufacturer: J. Morita Mfg. Corp.

Cordless and Convenient

Automatic Safety Functions

1. Auto Start and Stop: The handpiece automatically starts when the file enters the canal and stops when the file is removed from the canal.

2. Auto Torque Reverse: The handpiece automatically stops and reverses the rotation of the nickel titanium file when too much pressure is applied.

3. Auto Apical Reverse: The handpiece automatically stops and reverses the rotation of the file when the tip reaches a distance from the apex preset by the clinician.

Tri Auto ZX gives the clinician the capability and convenience to electronically monitor the root canal before, during and after instrumentation.

Specifications

Handpiece Weight	5.6 oz. (160 g)
Handpiece Outer Dimensions (W x D x L)	1.2" x 1.5" x 8.3" (30 x 37 x 212 mm)
Charger Outer Dimensions (W x D x L)	3.1" x 4.8" x 2.2" (80 x 123 x 55 mm)
Package Includes	1 x handpiece 1 x contra head 1 x charger 1 x battery 1 x probe cord 1 x function tester 1 x AR oil 3 x file holders 5 x contrary electrodes 1 x practice model 1 x instructional video

Ordering Information

Apex Locator With Low Speed Handpiece

Root ZX II Apex Locator - (Canal Measurement Module)	24-5336392

Unit Includes: Probe Cord, File Holders (3), Contrary Electrodes (5), Function Tester, AA Alkali Batteries

Probe Cord (Root ZX II)	24-7503661
Probe Cord (Original Root ZX)	24-107041
File Holders (5)	24-107042
Contrary Electrodes (Lip Clips) (5)	24-107043
Long File Holder	24-8447047
Function Tester	24-7503910

Root ZX II - Low Speed Handpiece Module	24-5344271

Unit Includes: Micromotor (TR800), Contra Angle, Handpiece Cord, Handpiece Rest, AR Oil, AC Adapter, Battery (pre-installed) Foot Switch, Plastic Sleeves (20)

Micromotor (TR400)	24-7504500
Micromotor (TR800)	24-7503950
Contra Head	24-7503955
Handpiece Cord	24-7503960
Handpiece Rest	24-7503965
File Electrode	24-7503988
AC Adapter	24-7504060
Foot Switch	24-7504015
Battery	24-7504010
AR Oil (60ml)	24-7503800
Handpiece Plastic Sleeves (500)	24-541050

Cordless Endodontic Handpiece With Built-In Apex Locator

Tri Auto ZX	24-5316227

Unit Includes: Handpiece, Contra Head, Charger, Battery, Probe Cord, File Holders (3), Contrary Electrode (5), Function Tester, AR Oil, Practice Block, Instructional Video

Tri Auto ZX with extra Contra Head	24-5316300
Contra Head	24-7503770
Handpiece only (Battery & Contra Head not included)	24-7503786
Charger	24-7503781
File Electrode	24-7503735
Battery	24-7503740
Function Tester	24-7503720
Probe Cord	24-7503710
File Holders (5)	24-107042
Contrary Electrodes (Lip Clips) (5)	24-107043
Tri Auto ZX Sleeves (500)	24-531050

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In 1916, Junichi Morita started to import products of the leading dental equipment manufacturers into Japan, where demands for modern dentistry were growing. His venturesome attempts of supplying selected products for oral healthcare has grown steadily by receiving valuable support and guidance from the dental profession. His enterprising spirit lives through the decades, and all Morita Group Companies join in continuing to pursue marketing, distribution and services, as well as R&D and manufacturing, in collaboration with world leaders in healthcare products and research organizations.

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J. MORITA USA, INC.
9 Mason, Irvine, CA 92618 U.S.A.
Toll Free: (800) 831-3222, Fax: (949) 465-1095, www.jmoritausa.com

J. MORITA EUROPE GMBH
Justus-von-Liebig-Strasse 27A, D-63128 Dietzenbach, Germany
Tel: +49-6074-836-0, Fax: +49-6074-836-299, www.jmoritaeurope.com

J. MORITA CORPORATION AUSTRALIA & NEW ZEALAND
247 Coward Street, Suite 2.05, Mascot NSW 2020, Australia
Tel: +61 2 9667 3555, Fax: +61 2 9667 3577

J. MORITA MIDDLE EAST
Saraya Al Wessam Bldg., Tower A, Appt. 902
Cross roads Tag Roasaa & Abu Heif, Saba Pacha, Alexandria, Egypt
Tel: 203 58 222 94, Fax: 203 58 222 96, www.jmoritamiddleeast.com

J. MORITA CORPORATION
33-18, 3-Chome, Tarumi-cho Suita City, Osaka, 564-8650 Japan
Tel: +81-6-6380-2525, Fax: +81-6-6380-0585
www.asia.morita.com, www.oceania.morita.com

Developed and Manufactured by

J. MORITA MFG. CORP.
680 Higashihama Minami-cho, Fushimi-ku, Kyoto, 612-8533 Japan
Tel: +81-75-611-2141, Fax: +81-75-622-4595, www.jmorita-mfg.com

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